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Application Number 10/081,872 **TRANSMITTAL** Filing Date February 21, 2002 First Named Inventor **FORM** Walter CALLEN Art Unit 1652 (to be used for all correspondence after initial filing) **Examiner Name** R. Prouty Attorney Docket Number 564462006100 Total Number of Pages in This Submission

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ENCLOSURES (Check all that apply)							
X Fee Transr (1 page + c		Drawing(s)			After Allowance Communication to TC		
Fee	Attached	Licensing-related Papers			Appeal Communication to Board of Appeals and Interferences		
Amendmer	nt/Reply	Petition		: :	Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)		
After	Final	Petition to Co Provisional A			Proprietary Information		
Affida	avits/declaration(s)	Power of Attor			Status Letter		
Extension	of Time Request	Terminal Disc	claimer		X Other Enclosure(s) (please Identify below):		
Express At	pandonment Request	Request for Refund			Form PTO/SB/08a/b (1 page + duplicate)		
Information (3 pages)	n Disclosure Statement	CD, Number of CD(s)			3 References Return Receipt Postcard		
Certified C Document(opy of Priority (s)	Landscape Table on CD					
	issing Parts/ Application	Remarks					
Repl	y to Missing Parts under FR 1.52 or 1.53	Customer No. 45975					
	SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT						
Firm Name	MORRISON & FOE	RSTER LLP		/			
Signature	91	7	ink	ain	/		
Printed name	Gregory P. Einhorn	/					
Date	April 12, 2005			Reg. No.	38,440		

I hereby certify that this corresp	pondence is being deposited wit	h the U.S. Postal Service	e as Express Mail,	Airbill No. EV 391 878 417	US,
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shown below.		1 1		·	
		Man.			
Dated: April 12, 2005	Signature: Alica	1 ames	(Rhea Amid)		

APR 1 2 2005

PTO/SB/17 (12-04v2)
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the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number. Complete if Known Effective on 12/08/2004. 10/081,872 Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). **Application Number** FEE TRANSMITTAL Filing Date February 21, 2002 Walter CALLEN First Named Inventor For FY 2005 **Examiner Name** R. E. Prouty Applicant claims small entity status. See 37 CFR 1.27 1652 Art Unit 564462006100 TOTAL AMOUNT OF PAYMENT 180.00 (\$) Attorney Docket No. METHOD OF PAYMENT (check all that apply) Check Credit Card Money Order Other (please identify): Deposit Account Deposit Account Number: 03-1952 Deposit Account Name: Morrison & Foerster LLP For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee Charge any additional fee(s) or underpayment of Credit any overpayments fee(s) under 37 CFR 1.16 and 1.17 **FEE CALCULATION** 1. BASIC FILING, SEARCH, AND EXAMINATION FEES **EXAMINATION FEES FILING FEES** SEARCH FEES **Small Entity Small Entity Small Entity Application Type** Fee (\$) Fee (\$) Fee (\$) Fees Paid (\$) Fee (\$) Fee (\$) Fee (\$) Utility 300 150 500 250 200 100 Design 200 100 100 50 130 65 200 300 Plant 100 150 160 80 Reissue 300 500 250 600 150 300 200 100 0 0 Provisional 0 0 2. EXCESS CLAIM FEES **Small Entity** Fee (\$) Fee (\$) Fee Description Each claim over 20 (including Reissues) 50 25 Each independent claim over 3 (including Reissues) 200 100 Multiple dependent claims 360 180 **Total Claims Multiple Dependent Claims Extra Claims** Fee Paid (\$) Fee Paid (\$) Fee (\$) Indep. Claims **Extra Claims** Fee Paid (\$) 3. APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). Extra Sheets **Total Sheets** Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$) - 100 = (round up to a whole number) x 4. OTHER FEE(S) Fees Paid (\$) Non-English Specification, \$130 fee (no small entity discount) Other (e.g., late filing surcharge): 1806 Submission of an Information Disclosure Statement 180.00 SUBMITTED BY Registration No. Signature 38,440 Telephone (858) 720-5133 Name (Print/Type) Gregory P. Einhorn Date April 12, 2005

APR 1 2005 unit I hereby certify that this correspondence is being deposited with the U.S. Postal

PATENT Docket No. 564462006100

Alexandria, VA 22313-1450, on the date shown below.

Dated: April 12, 2005 Signature:

addressed to: MS After Final, Commissioner for Patents, P.O. Box 1450,

(Rhea Amid)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Walter CALLEN et al.

Serial No.: 10/081,872

Filing Date: February 21, 2002

For: ENZYMES HAVING ALPHA

AMYLASE ACTIVITY AND METHODS

OF USE THEREOF

Examiner: R. Prouty

Group Art Unit: 1652

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98

MS After Final Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

The documents listed on the attached Form PTO/SB/08a/b were cited in a Supplementary Partial European Search Report mailed on March 11, 2005, directed to a counterpart international or foreign application and have not been previously cited. A certification under 37 C.F.R. § 1.97(e)(1) follows:

sd-253790

I hereby certify that each item of information was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filling of this Information Disclosure Statement.

	This In	formation Disclosure Statement is submitted:					
	With	the application; accordingly, no fee or separate requirements are required.					
	Befor	re the mailing of a first Office Action after the filing of a Request for Continued					
	Exam	ination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97					
	(e)(1)	has been provided.					
	Withi	in three months of the application filing date or before mailing of a first Office Action					
		e merits; accordingly, no fee or separate requirements are required. However, if					
	applic	cable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.					
	After	receipt of a first Office Action on the merits but before mailing of a final Office Action					
		or Notice of Allowance.					
		A fee is required. A check in the amount of is enclosed.					
		A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to					
		this submission in duplicate.					
		A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly; no fee is					
		believed to be due.					
\boxtimes	After	mailing of a final Office Action or Notice of Allowance, but before payment of the					
		issue fee.					
		A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the					
		amount of is enclosed.					
	\boxtimes	A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal					
		form (PTO/SB/17 is attached to this submission in duplicate.)					

Applicants would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petitions for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 564462006100. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: April /2, 2005

Respectfully submitted,

Gregory P. Einhorn

Registration No.: 38,440

MORRISON & FOERSTER LLP 3811 Valley Centre Drive, Suite 500

San Diego, California 92130

(858) 720-5133



Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known				
Application Number	10/081,872			
Filing Date	February 21, 2002			
First Named Inventor	Walter CALLEN			
Art Unit	1652			
Examiner Name	R. Prouty			
Attorney Docket Number	564462006100	_		

	U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		

	FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶	

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁵ Applicant is to place a check mark here if English language Translation is attached.

	NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	magazina jaurnal agrial aumogaium agtalag ata) data naga(a) ualuma jagua numbau(a) mublishan aib.					
	Database Uniprot 'Online! (2000). Alpha amylase-pyrococcus woesei, XP002317659 retrieved from EBI, Database Accession No. Q9P9LO.					
	2.	Jones et al. (1999). Journal of Applied Microbiology 86(1):93-107 XP002317658.				
	3.	Supplementary Partial European Search Report mailed on March 11, 2005, for European Patent application No. 02723192.7, based on PCT/US02/05068 filed on February 21, 2002.				

^{*}EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner	Date	
Signature	Considered	

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.